

## ABSTRACT OF DISCLOSURE

038 A method for maintaining a desired [CO], [ NO], or temperature range as contaminants at the flue of a multiburner furnace. and includes delivering the largest oxidant flow rate to the burners while repeatedly sequencing through the plurality of sequential flue parameter concentrations or temperatures in the flue beginning with the lowest flue parameter concentration or temperature and proceeding to an adjacent flue parameter concentration or temperature in the sequence after a predetermined time interval has elapsed. The largest oxidant flow rate is delivered until the flue parameter level attains the desirable range, at which point corresponding oxidant flow rates and consequential flue parameter concentrations or temperatures are selected from the plurality of sequential oxidant flow rates and flue parameter concentrations and temperatures. The method also includes delivering the selected oxidant flow rate and consequential flue parameter concentration or temperature so as to maintain the desired flue parameter range.